

# Comparisons of Job Characteristics

**Focus Occupation:** Family and General Practitioners (29-1062)

**Associated Occupation:** Medical Scientists, Except Epidemiologists (19-1042)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 57

**Focus Occupation:** Family and General Practitioners (29-1062)

**Associated Occupation:** Medical Scientists, Except Epidemiologists (19-1042)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Biology	3.7	19.8	20.7	0	Current knowledge level may be sufficient
English Language	11.2	17.4	16.3	0	Current knowledge level may be sufficient
Mathematics	9.2	17.2	11.4	<<	Extensive education and/or training may be required
Chemistry	4.8	15.8	12.0	<<	Extensive education and/or training may be required
Medicine and Dentistry	3.7	15.6	23.9	>>	Current knowledge level is likely more than sufficient
Communications and Media	5.3	14.3	5.1	<<	Extensive education and/or training may be required
Administration and Management	8.4	12.9	10.7	<	Expanded education and/or training may be required
Personnel and Human Resources	5.6	12.4	7.9	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 86

**Focus Occupation:** Family and General Practitioners (29-1062)

**Associated Occupation:** Medical Scientists, Except Epidemiologists (19-1042)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Science	4.5	17.6	15.0	<	A higher skill level may be required
Reading Comprehension	10.7	17.2	16.0	0	Current skill level may be sufficient
Critical Thinking	10.8	16.2	15.6	0	Current skill level may be sufficient
Complex Problem Solving	9.1	14.6	13.5	0	Current skill level may be sufficient

Writing	9.2	13.9	13.9	0	Current skill level may be sufficient
Active Learning	8.7	13.4	13.0	0	Current skill level may be sufficient
Judgment and Decision Making	9.4	12.8	15.1	>	Skill level is likely sufficient
Monitoring	9.9	12.8	11.9	0	Current skill level may be sufficient
Systems Analysis	6.5	11.9	8.3	<<	Extensive development of skills in this area may be required
Systems Evaluation	6.4	11.7	8.1	<<	Extensive development of skills in this area may be required
Mathematics	6.2	11.3	5.3	<<	Extensive development of skills in this area may be required
Operations Analysis	5.0	10.0	10.6	0	Current skill level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Abilities

Similarity of Focus Occupation to Associated Occupation: 94

**Focus Occupation: Family and General Practitioners (29-1062)**

**Associated Occupation: Medical Scientists, Except Epidemiologists (19-1042)**

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Oral Comprehension	12.5	18.8	17.7	0	Current ability level may be sufficient
Inductive Reasoning	10.2	18.6	17.9	0	Current ability level may be sufficient
Written Comprehension	11.0	18.3	16.1	<	Some improvement in abilities may be required
Oral Expression	12.4	17.5	18.3	0	Current ability level may be sufficient
Problem Sensitivity	11.1	16.1	20.4	>>	Current ability level is likely more than sufficient
Deductive Reasoning	10.6	16.0	15.0	0	Current ability level may be sufficient
Written Expression	9.8	14.9	13.9	0	Current ability level may be sufficient
Near Vision	11.1	14.4	12.3	<	Some improvement in abilities may be required
Information Ordering	9.9	13.9	10.3	<<	Extensive improvement in abilities may be required
Category Flexibility	9.0	12.4	9.3	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 83

**Focus Occupation: Family and General Practitioners (29-1062)**

**Associated Occupation: Medical Scientists, Except Epidemiologists (19-1042)**

Work Activities	Exclusivity of Activity
Analyze medical data	57

Collect clinical data	56
Communicate technical information	4
Conduct medical tests	80
Follow infectious materials procedures	52
Identify body response variations	57
Interpret medical laboratory test results	72
Interpret x-rays	76
Make decisions	24
Make presentations on health or medical issues	50
Order medical laboratory tests	76
Perform noninvasive medical diagnostic techniques	92
Take vital signs	56
Understand drug products	84
Understand properties or composition of drugs	64
Use clinical problem solving techniques	69
Use interpersonal communication techniques	10
Use knowledge of investigation techniques	16
Use knowledge of medical terminology	40
Use medical diagnostic techniques	71
Use medical lab techniques	81
Use research methodology procedures in health care	63
Use sanitation practices in health care settings	48
Write technical health or medical documents	73

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: 56

**Focus Occupation: Family and General Practitioners (29-1062)**  
**Associated Occupation: Medical Scientists, Except Epidemiologists (19-1042)**

Tools and Technologies	Exclusivity
Computers	1
Content authoring and editing software	1
Data management and query software	1
Electrocardiography EKG units and related products	20
Industry specific software	1
Medical ultrasound and doppler and echo imaging products	19

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.